

RG-6

RG-6 cable is one of the more common types of [coaxial cables](#) used for commercial and household purposes. The term RG-6 is a generic label that can be used to describe a whole range of cable designs. In fact, all cable designs described under RG-6 may well differ from one another in center conductor composition, dielectric type, or shielding characteristics. RG-6 was originally a military specification meaning Radio Guide, but this term has become obsolete due to lack of use. Today it is used to describe [coaxial cables](#) with 75-ohm impedance and 18 AWG center conductors.

RG-6 Specifications

Type	RG-6	RG-6A
Impedance Z0(Ω)	76	75
Dielectric	Solid Polyethylene	Solid Polyethylene
Time Delay (ns/ft)	1.54	1.54
Propagation Velocity (% of c)	65.9	65.9
Capacitance (pF/foot)	20	20.6
Outside Dimensions (inches)	0.332	0.332
dB/100ft @400MHz	7.4	6.5
Maximum Voltage (Vrms)	2700	2700
Shield	Braid	Braid

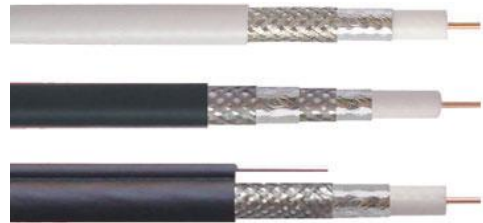
What are the key RG-6 products available on the market today?

RG-6 connector products like Digicon connectors are unmatched for performance and reliability. The conical swedge technology used by these state-of-the-art connectors have been able to terminate with a compression of 360 degrees, thereby helping in a complete sealing of the connector surrounding the cable jacket. The result is improved durability and enhanced pull-out strength as well as greater mechanical and electrical performance. Digicon RG-6 F-connectors are

available in a range of cables that can even exceed Telcordia and SCTE specifications. The nut present on the connector ensures a secure connection and a much better grip.

What standard equipment can one get with a RG-6 coaxial cable?

An RG-6 coaxial cable bought from a dependable store can get you a cable along with messenger wire (for various aerial installation processes), standard cable, quad-shield for maximum RF protection, a cable covered with a flooded polyethylene jacket for protecting it from underground runs and a cable with a tri-band.



Things to keep in mind while using the RG-6 coaxial cables

Never commit the mistake of installing the wrong RG-6 coaxial cable. An authentic RG-6 cable can be used for distribution of feeds from a satellite dish, cable TV service or rooftop antenna. In comparison to the earlier [RG-59](#) cable, there are no problems with inferior shielding or signal leakage.

Source: <http://www.tech-faq.com/rg-6.html>